

REMARKS

Pursuant to 37 C.F.R. § 1.111, Applicants respectfully request reconsideration of the claim rejections set forth in the Office Action dated October 18, 2006.

Claims Rejections

Claims 1, 3, 8 – 10, 13 – 15, 18, 19, and 25 were rejected pursuant to 35 U.S.C. § 102(e) as being anticipated by Banish et al. (U.S. Publication No. 2002/0135869).

Claims 2, 4 – 7, 16, 17, 20 – 24, and 26 – 29 were rejected pursuant to 35 U.S.C. § 103(a) as being unpatentable over Banish et al.

Claim 1 recites an anti-reflective structure comprising, *inter alia*, micro holes each having an opening. A ratio of the openings to the first surface is set to 70% to 85% per unit area, and the openings are disposed in a staggered arrangement in the first surface.

Banish et al. fail to teach micro holes having an opening that is staggered with respect to the other micro hole openings. In fact, Banish et al. teach a contrary arrangement. Banish et al. teach grating grooves 108, 109 (paragraph 0050; Figure 2 and 4B). Banish et al. teach that all of the grooves 108, 109 are parallel to each other. (paragraph 0050; Figure 2 and 4B). Accordingly, Banish et al. fail to teach that the openings are disposed in a staggered arrangement in the first surface. Therefore, claim 1 is allowable over the cited reference.

Banish et al. also fail to teach a ratio of the openings to the first surface is set to 70% to 85% per unit area. Banish et al. teach “[t]he surface component 202 has a sinusoidal (or alternatively triangular) cross section having an amplitude 203 and a distance between peaks 204, which is the pitch” (paragraph 0051). “The mean peak width 105 is the feature size” (paragraph 0050). Banish et al. fail to teach any ratio between the pitch 204 and the mean peak width 105. Accordingly, claim 1 is allowable over the cited reference.

Dependent claims 3 – 5, 7, 13 – 16, and 29 depend from allowable claim 1, so are allowable for at least this reason. Further limitations of the dependent claims are allowable over the cited references. For example, the cited references fail to disclose polygonal shaped micro holes as recited in claim 5.

Independent claim 8 recites features similar to those recited in allowable claim 1, so is allowable for at least reasons that are similar to those discussed above.

Dependent claims 9 - 10, and 17 – 28 depend from allowable claim 8, so are allowable for at least this reason.

New Claims

Claims 30 - 32 have been added. The new subject matter of Claim 30 finds support on at least page 20 of the originally filed application and thus does not constitute new matter. The cited references fail to disclose the polygonal holes are closely formed to decrease the connection surface between the openings as recited in new claim 30. Accordingly, claim 30 is allowable over the cited references. Dependent claims 31 – 32 depend from allowable claim 30, so are allowable for at least this reason.

CONCLUSION

For at least the reasons presented above, the Applicant respectfully submits that the pending claims are in condition for allowance. The Examiner is respectfully requested to contact the undersigned in the event that a telephone interview would expedite consideration of the application.

Respectfully submitted,



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